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| Application No. | Applicant(s)   |  |
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| 10/055,883      | JANG, YONG-KYU |  |
| Examiner        | Art Unit       |  |

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David Y. Chung

| A | Appeal   |
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| Cla          | aim  |               |                    |              | [        | Date     | 9  |  |  |                 |
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| <u> </u>     | Original   | 8/24/03       | 3/7/04             | 9/30/04      |          |          |  |  |  | 1 1             |
| Final        | ij   | /24           | Ē                  | 30           |          |          |  |  |  |                 |
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| <u> </u>     | 8  | 00            | 00                 | 00           | _        | _        | _  | _  | <u> </u>   | $\square$       |
|              | 9  |               | 0                  |              | L_       | _        | L  | _  | _  | Щ               |
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|              | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 | =             | II                 | , 11         |          |          |  |  |  |                 |
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|              | 18   | o             | 0                  | 0            |          |          |  |  |  | П               |
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| <b></b>      | 20   | 0             | 0                  | ō            |          |          |  |  |  |                 |
|              | 21   | 0             | 0                  | 00           | $\vdash$ | ┢┈       | $\vdash$   | $\vdash$   | ┝  |                 |
|              | 22   | ŏ             | 6                  | 5            |          | ├        | -  | <del>                                     </del> | -  | Н               |
| l ·          | 23   | 0             | 6                  | 5            |          | $\vdash$ |  | ┝  | -  | $\vdash$        |
| <del> </del> | 24   | 늣             | 7                  | 0            |          | $\vdash$ | <del>                                     </del> |  |  | H               |
|              | 25   | 15            | 1                  | <del>\</del> | $\vdash$ | $\vdash$ | $\vdash$   |  |  | Н               |
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|              | 28   |               | 0                  | 0            |          |          | <u> </u>   |  |  | _               |
|              | 29   | 0             | Ö                  | 0            |          | ļ        | <u> </u>   | _  | <u> </u>   | $\sqcup$        |
|              | 30<br>31   |               | ✓                  | =            | _        | _        | ļ  |  |  | Ш               |
|              | 31   |               | 0                  | =            |          |          | <u> </u>   |  |  | Ш               |
|              | 32   | _             | 0                  | =            |          |          | _  |  |  | Ш               |
|              | 33   |               |                    | =            |          |          | _  |  |  | Ц               |
|              | 34   |               | ò                  | =            |          | L        |  |  |  | Ш               |
|              | 32<br>33<br>34<br>35<br>36   | _             | 0                  | =            |          |          | _  |  |  | Ш               |
|              | 36   | Щ             |                    | =            |          | L_       | <u></u>  | <u> </u>   | L.   | Ш               |
|              | 37   | _             |                    | =            |          |          |  |  |  | Ш               |
|              | 38<br>39   | <u></u>       |                    | =            | L        |          |  |  |  | Ш               |
|              | 39   | L             |                    | =            |          |          |  |  |  |                 |
|              | 40   |               |                    |              |          |          |  |  |  |                 |
|              | 41   | L             |                    | L            | Ĺ        | Ĺ        |  | L  |  |                 |
|              | 42   |               |                    |              |          |          |  |  |  |                 |
|              | 43   |               |                    |              |          |          |  |  |  | П               |
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|              | 45   | T             | _                  | _            |          |          | <u> </u>   |  |  | H               |
|              | 46   | Т             | Т                  | _            | $\vdash$ | Н        | _  |  |  | Н               |
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|              | 48   |               |                    |              | H        | Н        |  |  |  | $\vdash \vdash$ |
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| <del> </del> | 50   | $\vdash$      |                    | _            | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | <del> </del>                                     | $\vdash\vdash$  |
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|          |          |          |  |          |  |          |          |   |          |          |
| Final    | Original |          |  |          |  |          |          |   |          |          |
|          | 51<br>52 |          |  |          |  |          |          |   |          |          |
|          | 52_      |          |  | ·        |  |          |          |   |          |          |
|          | 53       |          |  |          |  |          |          |   |          |          |
|          | 54<br>55 | _        | <u> </u>   | _        |  |          |          |   | _        |          |
|          | 55       |          | <u> </u>   | _        | _  |          |          |   | _        |          |
|          | 56       |          | <u> </u>   |          | <u> </u>   |          |          |   | _        |          |
| -        | 57       |          | _  | _        | <u> </u>   |          |          |   | _        |          |
|          | 58<br>59 | -        | -  |          | -  |          |          | _ | _        |          |
| -        | 60       | -        | ├  | ├        | ├  | _        |          | _ | $\vdash$ | _        |
| -        | 61       |          | ┢  | $\vdash$ | ┝  |          |          |   | $\vdash$ | _        |
| -        | 62       | -        | $\vdash$   |          | $\vdash$   |          | -        |   | _        | _        |
|          | 63       | $\vdash$ | $\vdash$   | $\vdash$ | <del>                                     </del> |          | -        |   | $\vdash$ | H        |
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|          | 65       |          |  |          |  |          |          |   |          | Г        |
|          | 66       |          |  |          |  |          |          |   |          |          |
|          | 67       |          |  |          |  |          |          |   |          |          |
| <u></u>  | 68       |          |  |          |  |          |          |   |          |          |
| <u> </u> | 69       |          |  | _        |  |          |          |   |          |          |
| <u> </u> | 70       |          | <u> </u>   | <u> </u> | <u>L</u> .                                       |          |          |   |          |          |
|          | 71       |          | _  | <u> </u> | <u> </u>   |          |          |   | _        |          |
|          | 72       |          | <u> </u>   | <u> </u> | <u> </u>   | _        |          |   |          |          |
| -        | 73<br>74 |          |  | _        | _  |          |          |   | -        |          |
|          | 75       |          | $\vdash$   |          | $\vdash$   | _        |          | _ | -        |          |
| <u> </u> | 76       |          | <del>                                     </del> |          | $\vdash$   |          |          | _ | -        |          |
|          | 76<br>77 |          | $\vdash$   |          | $\vdash$   |          |          |   | $\vdash$ |          |
|          | 78       |          |  |          |  |          |          |   |          | _        |
|          | 79       |          |  |          |  |          |          |   |          |          |
|          | 80       |          |  |          |  |          |          |   |          |          |
|          | 81       |          |  |          |  |          |          |   |          |          |
|          | 82<br>83 |          |  |          |  |          |          |   |          |          |
|          | 83       |          | _  |          |  |          |          |   | <u> </u> |          |
|          | 84       |          |  |          | <u> </u>   |          |          | _ |          |          |
|          | 85       |          | <u> </u>   |          | <u> </u>   | _        |          | _ | <u> </u> |          |
| -        | 86       |          | ┝  |          | ┝  | $\vdash$ | $\vdash$ | _ | ┝        | <u> </u> |
| -        | 87<br>88 |          |  | -        | -  | -        |          |   | ├        | -        |
| <b>-</b> | 89       | _        | -  |          | -  |          | -        | - | -        | <u> </u> |
|          | 90       | $\vdash$ | -  | -        |  | $\vdash$ | _        |   |          |          |
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|          | 93       |          |  |          |  |          |          |   |          |          |
|          | 94       |          |  |          |  |          |          |   |          |          |
|          | 95       |          | L  | L        | L  |          |          |   |          | Ĺ        |
| ļ        | 96       |          | <u> </u>   | <u> </u> |  | L.       |          | _ | <u> </u> | _        |
| <u></u>  | 97       |          |  | <u> </u> | <u> </u>   |          |          |   | <u> </u> | _        |
| -        | 98       |          | _  | <u> </u> | <u> </u>   | $\vdash$ | L        | _ |          |          |
| $\vdash$ | 99       |          | _  | _        | $\vdash$   | H        | H        | _ |          |          |
|          | 100      |          |  |          | l  | , '      |          | L | L        | L_       |

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|         |  |          |          | Г  | Γ        |          |              | Г            |          | П               |
| Final   | Original   | :        |          |  |          |          |              |              |          |                 |
|         | 101<br>102   |          |          |  |          |          |              |              |          |                 |
|         | 102  |          |          |  |          |          |              | <u> </u>     |          |                 |
|         | 103  | -        | -        | _  | <u> </u> | ļ        | _            | <u> </u>     | <u> </u> |                 |
| -       | 103<br>104<br>105  |          |          |  |          |          |              | -            | _        |                 |
|         | 105  | -        |          | <del> </del>                                     | ┝        |          | <del> </del> | <del> </del> | -        |                 |
|         | 107  | _        |          | $\vdash$   | $\vdash$ | ┢        | $\vdash$     | -            | $\vdash$ | -               |
|         | 108<br>109<br>110  | _        |          |  | $\vdash$ | $\vdash$ |              |              | $\vdash$ |                 |
|         | 109  |          |          |  |          |          |              |              |          |                 |
|         | 110  |          |          |  |          |          |              |              |          |                 |
|         | 111<br>112   |          |          | _  | _        | <u> </u> |              |              |          |                 |
|         | 112  | _        |          |  | _        | _        |              | _            |          |                 |
|         | 113<br>114   | _        |          | -  | _        | <u> </u> | _            | _            | <u> </u> | -               |
|         | 115  |          |          |  |          |          |              | $\vdash$     |          | Н               |
|         | 116  | H        |          | -  |          | -        | -            | -            | -        | Н               |
|         | 117  |          | -        | <del>                                     </del> |          |          | -            | -            | _        | Н               |
|         | 118  |          |          |  |          |          |              |              |          | П               |
|         | 119  |          |          |  |          |          |              |              |          |                 |
|         | 120  |          |          |  |          |          |              |              |          |                 |
|         | 121  | _        | _        | <u> </u>   | <u> </u> | _        | _            | <u> </u>     |          | Ш               |
|         | 122  | <u> </u> | <u> </u> | <u> </u>   | <u> </u> | <u> </u> | <u> </u>     | <u> </u>     | _        | Н               |
|         | 123  | <u> </u> |          |  |          | <u> </u> |              | -            |          | Н               |
|         | 125  | -        |          | ┢  | -        | -        |              | ┝            | ┢        | Н               |
| <b></b> | 126  | $\vdash$ |          |  | $\vdash$ |          | $\vdash$     | $\vdash$     |          | Н               |
|         | 119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 | $\vdash$ |          | 1  |          |          | _            | _            | Г        | П               |
|         | 128  |          |          |  |          |          |              |              |          |                 |
|         | 129  |          |          |  | L_       |          |              |              |          |                 |
|         | 130<br>131   |          |          |  |          |          | <u> </u>     | L_           |          |                 |
|         | 131  | ш        | <u> </u> |  |          |          |              | _            | _        | Ш               |
|         | 132  | <u> </u> |          |  | _        | _        | <u> </u>     | <u> </u>     | -        | Н               |
|         | 133<br>134   | ⊢        | _        | <u> </u>   | $\vdash$ | -        | ┝            | ├            | <u> </u> | Н               |
|         | 135  | $\vdash$ |          | _  | $\vdash$ | $\vdash$ | ├─           | ┝            | ┝        | Н               |
|         | 135<br>136   | _        | _        |  | -        |          | -            | $\vdash$     | -        | Н               |
|         | 137  |          |          |  |          |          | $\vdash$     | $\vdash$     | _        | П               |
|         | 138<br>139   |          |          |  |          |          |              |              |          |                 |
|         | 139  |          |          |  |          |          |              |              |          |                 |
|         | 140  |          |          |  | <u> </u> |          | <u> </u>     | <u> </u>     | _        | Ш               |
|         | 141  | <u> </u> |          | <u> </u>   |          |          | <u> </u>     | _            | <u> </u> | Ш               |
|         | 142<br>143   |          |          | <u> </u>   | _        | _        | <u> </u>     | <u> </u>     | H        | Н               |
|         | 144  | _        |          | $\vdash$   | $\vdash$ | $\vdash$ | $\vdash$     | _            | -        | $\vdash \vdash$ |
|         | 145  | _        | _        | -  | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$ | $\vdash \vdash$ |
|         | 146  |          |          | _  | $\vdash$ | ┢        | -            | $\vdash$     | -        | Н               |
|         | 147  |          |          |  |          | $\vdash$ |              | $\vdash$     | -        | М               |
|         | 148  |          |          |  |          |          |              |              |          |                 |
|         | 149  |          |          |  |          |          |              |              |          |                 |
| L       | 150  | L        |          | L  | L        |          |              | L.           | L        |                 |